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- <151> 2003-09-30
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Lys Ile

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Asp Leu Ala Gly Lys Tyr Lys Thr Tyr Arg Leu Ile Ala Pro Phe Arg 65 70 75 80

Thr Glu Val Tyr Thr Ser Asp Pro Ala Asn Val Glu His Met Leu Lys 90 95

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•			420					425					430			
Asp	Lys	Asn 435	Gly	Cys	Phe	Gln	Gln 440	Ala	Ser	Pro	Phe	Lys 445	Phe	Thr	Ala	
Phe	Gln 450	Ala 	Gly	Pro	Arg	Leu 455	Cys	Leu	Gly	Lys	Glu 460	Phe	Ala	Tyr	Arg	
Gln 465	Met	Lys	Ile	Phe	Ser 470	Ala	He	Leu	Leu	Arg 475	Phe	Phe	Thr	Met	Lys 480	
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Val His Leu Met Lys Asn Leu Leu His Arg Thr Leu Tyr Asp Phe Ser 50 60

Gln Lys Leu Gly Pro Ile Phe Ser Leu Arg Phe Gly Thr Arg Leu Val 65 70 75 80

Val Val Val Ser Ser Ser Ser Leu Val Glu Glu Cys Phe Thr Lys Tyr 85 90 95

Asp Ile Val Leu Ala Asn Arg Pro Gln Pro Ser Val Asp Arg Arg Ser 100 105 110

Leu Gly Phe Ser Thr Thr Ser Val IIe Gly Ala Pro Tyr Gly Asp His 115 120 125

Trp Arg Asn Leu Arg Lys Leu Cys Asp Leu Glu Val Phe Ala Pro Thr 130 140

Arg Leu Ala Ser Phe Leu Ser Ile Arg Leu Asp Glu Arg Asp Arg Met 145 150 155 160

lle Ser Ser Leu Tyr Lys Ile Ser Ser Ala Gly Phe Ala Lys Val Asn 165 170 175

Leu Glu Thr Lys Ile Val Glu Leu Thr Phe Asn Asn Ile Met Arg Met 180 185 190

Val Ala Gly Lys Arg Tyr Tyr Gly Glu Glu Ala Glu Asp Asp Glu Glu 195 200 205

Ala Lys Arg Phe Arg Asp Leu Thr Lys Glu Ala Leu Glu Leu Thr Ser 210 220

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Ala Ser Asn Pro Gly Glu IIe Phe Pro IIe Leu Arg Trp Leu Gly Phe 225 230 235 240 Asn Gly Leu Glu Lys Lys Leu Ala Val His Ala Arg Lys Thr Asp Glu 245 250 255 Phe Met Gln Gly Leu Leu Asp Glu His Arg Arg Gly Glu Arg Gln Asn 260 265 270 Val Asp His Leu Leu Ser Leu Gln Glu Ser Gln Pro Glu Tyr 275 280 285 Tyr Thr Asp Glu IIe IIe Thr Gly Leu IIe Val Ala Leu IIe IIe Ala 290 295 300 Gly Thr Asp Ala Ser Val Val Thr Thr Glu Trp Ala Met Ser Leu Ile 305 310 315 320 Leu Asn His Pro Gln Val Leu Glu Lys Ala Arg Lys Glu Leu Asp Thr 325 330 335 Leu Val Gly His Glu Arg Met Val Asp Glu His Asp Leu Pro Lys Leu 340 345 350 Arg Tyr Leu His Cys Ile Val Leu Glu Thr Leu Arg Leu Phe Pro Ser 355 360 365 Val Pro Thr Leu Val Pro His Glu Pro Ser Glu Asp Cys Lys Ile Gly 370 380 Gly Tyr Asn Val Pro Lys Gly Thr Met Ile Leu Val Asn Ala Trp Ala 385 390 395 400 Ile His Arg Asp Pro Lys Val Trp Asp Asp Pro Leu Ser Phe Lys Pro 405 410 415 Asp Arg Phe Glu Thr Met Glu Val Glu Thr His Lys Leu Leu Pro Phe 420 430 Gly Met Gly Arg Arg Ala Cys Pro Gly Ala Gly Leu Ala Gln Lys Phe 435 Val Gly Leu Ala Leu Gly Ser Leu Ile Gln Cys Phe Glu Trp Glu Arg 450 460 Met Ser Ala Glu Lys Ile Asp Leu Asn Glu Gly Ser Gly Ile Thr Leu 465 470 480 Pro Lys Ala Lys Thr Leu Glu Ala Met Cys Lys Pro Arg His Ile Met 485 490 495 Glu Arg Val Leu Arg Gln Val Ser Asn Val 500

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Synthesized	Primer	Sequence.	N±URÓ-RW
Oym mics racu	TIIMOI	Dodaciico,	INCODE IN

•	Synthesized if imer sequence, wood in	
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Tyr Thr Asp Glu IIe IIe Thr Gly Leu IIe IIe Ser Leu IIe IIe Ala 290 295 300 Gly Thr Asp Ala Ser Val Val Thr Thr Glu Trp Ala Met Ser Leu Leu 305 310 315 320 Leu Asn His Pro Lys Val Leu Glu Lys Ala Arg Gln Glu Met Asp Thr 325 330 335 Leu Val Gly His Glu Arg Met Val Glu Glu Asp Asp Leu Pro Lys Leu 340 345 350 Arg Tyr Leu His Tyr IIe IIe Leu Glu Thr Leu Arg Leu Phe Pro Ser 355 360 365 Val Pro Thr Leu Val Pro His Glu Pro Ser Glu Asp Cys Asn Ile Gly 370 375 380 Gly Tyr Asn Val Pro Lys Gly Thr Met IIe IIe Val Asn Ala Trp Ala 385 390 395 400 lle His Arg Asp Pro Lys Val Trp Asp Asp Pro Met Ser Phe Lys Pro
405 410 415 Asp Arg Phe Glu Thr Leu Glu Val Glu Thr His Lys Leu Leu Pro Phe 420 430 Gly Met Gly Arg Arg Gly Cys Pro Gly Ala Gly Leu Ala Lys Lys Phe 435 440 445 Val Gly Leu Ala Leu Ala Ser Leu IIe Gln Cys Phe Asp Trp Glu Arg 450 455 460 lle Ser Ala Glu Lys Ile Asp Leu Lys Glu Gly Ala Ser Arg Ile Thr 465 470 475 480 480 Leu Pro Lys Ala Thr Thr Leu Glu Ala Met Cys Lys Pro Arg His Val Met Glu Lys <u>Val</u> Leu Arg Gln Val Ser Asn Val

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<213> Sesumum alatum

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